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**OPERABLE UNIT 4 PILOT PLANT PHASE I TREATABILITY STUDY  
WORK PLAN**

02/25/94

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LETTER



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

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FEB 25 1994  
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Mr. James A. Saric, Remedial Project Director  
U. S. Environmental Protection Agency  
Region V - 5HR-8J  
77 W. Jackson Boulevard  
Chicago, Illinois 60604-3590

Mr. Graham E. Mitchell, Project Manager  
Ohio Environmental Protection Agency  
40 South Main Street  
Dayton, Ohio 45402-2086

Dear Mr. Saric and Mr. Mitchell:

**OPERABLE UNIT 4 PILOT PLANT PHASE I TREATABILITY STUDY WORK PLAN**

Enclosed for your information is the Operable Unit 4 Pilot Plant (OU4) Phase I Treatability Study Work Plan. The Phase II Treatability Study Work Plan is tentatively scheduled to be formally submitted to the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) for approval late March 1994.

The Phase I work plan describes the OU4 Pilot Plant program for waste retrieval and vitrification. It is organized in accordance with USEPA guidance (1992) and includes the 15 USEPA suggested sections. In addition, a discussion of the regulatory requirements governing construction and operations of the Pilot Plant, including a permit information summary for Phase I is included. This Phase I work plan describes the initial use of surrogate material as a substitute for the silo material to perform system operability testing and readiness reviews of the waste retrieval and vitrification processing equipment prior to the introduction of radioactive materials during Phase II.

The Phase II work plan will address the implementation actions required for the hydraulic removal of the K-65 material from Silo 1 or 2, the pneumatic removal of the metal oxide material from Silo 3, and vitrification of the actual K-65 and metal oxide material. This Phase II work plan will require both the USEPA and OEPA approval. We will be requesting your approval of the Phase II Work Plan prior to initiation of construction, which is scheduled for June 1994.

If you have any comments or questions, please contact Randi Allen at 513-648-3102 or Allan Harris at 513-648-3184.

Sincerely

*Randi Allen*  
for Jack R. Craig  
Assistant Manager for  
Environmental Restoration

FN:Harris

Enclosure: As Stated

cc w/enc:

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